GIGABYTE™

E1425

USER'S MANUAL

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- English
- 简体中文

V1.0

GIGABYTE E1425 Series Notebooks User's Manual

Date Issued: 2010/07

This manual takes you, step by step, through setting up and using your new Notebook PC. Information in this manual has been carefully checked for accuracy and is subject to change without prior notice.

General Safety Precautions

In order to ensure your safety and the safety of you notebook, we ask that your carefully follow these safety precautions.

CAUTION: Using your notebook for long periods of time, with the base resting directly on exposed skin, can cause injury, burns or discomfort from the heat buildup that is generated from the base of your portable computer.

- After removing the notebook from the box, please ensure that all packaging materials are kept out of the reach of small children as they can cause a potential choking hazard. The packaging materials should be safely stored away in the event that it may be used again for safe transportation of the notebook.
- Ensure that the AC Adapter and power cable are placed in a safe area where it cannot be tripped over or stepped on. The AC Adapter should be situated in a well ventilated area and should have nothing resting on or covering it.
- Before turning on the notebook, ensure that it is placed on a level surface with at least 10 cm of clearance around the air vents, which will aid in proper cooling.
- Do not obstruct the air vents of the notebook and do not insert any foreign objects into this space. Doing this may cause a short circuit or may cause the CPU fan to malfunction, resulting in the risk of a fire or electric shock. This may eventually render permanent damage to the notebook.
- Do note press or touch the display panel.
- Only use the AC Adapter that is provided with the notebook or that which is recommended by the manufacturer. Using non-recommended or non-approved parts may cause damage or increase the risk of a fire or explosion. In the event that another AC Adapter is required, advice should be sought from a GIGABYTE service agent, in order to make sure that the correct part is recommended.
- Please follow the battery installation guidelines. Incorrect installation of batteries may increase the risk of a fire or explosion.
- Only replace old batteries with the same or an alternative compatible battery that is recommended by GIGABYTE or an authorized GIGABYTE Service Centre.
- Before connecting the notebook to the power outlet, make sure that the voltage rating of the AC Adapter is compatible with the power specification in the country where you are located. A detailed list of the power specification for different countries can be found on page 21.
- When using an extension cord, please make sure that the total sum of ampere ratings for all connected devices does not exceed the total ampere capacity for the circuit.
- Before removing the battery from the notebook, make sure firstly that the notebook is switched off and secondly that the AC Adapter is disconnected from the electrical wall socket. Once this is done, it would be safe to remove the battery.

Do not carry the notebook battery, loose, in your handbag, backpack or pocket where loose metal objects (money, keys, chains, pens, etc) may be present. The metal objects can short circuit the terminals of the battery resulting in overheating that could cause a fire hazard. In the event that you need to transport the battery separately from the notebook, please place it inside an anti-static bag.

- Discard old worn out batteries according to the instructions on Page VI. Never throw batteries into a fire as this can cause an explosion.
- Never attempt to repair or service the notebook yourself. Please refer all repairs and servicing to qualified service personnel at a GIGABYTE Authorized Service Centre.

Travel Tips

Although notebooks are designed to be as robust as possible to cater for a mobile lifestyle, extreme care and caution should be taken when travelling. When travelling by land, sea or air, every precaution should be taken to make sure that the notebook is well secured when it is not in use.

- The most essential accessory you should have when travelling is a good carry case for your notebook. The case should be well padded to protect your notebook from drops and bumps, etc and should be big enough to hold the size of notebook.
- Make sure there is enough room to carry your AC Adapter and spare battery etc. Only carry the necessary items in your carry case, as the weight can become tedious especially when walking long distances or waiting in long queue's.
- When travelling by air, never book your notebook in with checked baggage. Always declare it as hand baggage so that you can carry it into the airplane cabin with you. Most airlines allow two pieces of hand baggage with one of them being a bag or carry case with a portable notebook. Please consult your local airline for more details.
- When placing your notebook on an X-Ray, make sure that you keep a close eye on it when it is one the conveyor belt. Hold on to your notebook until the last minute before placing it on the conveyor. In some airports it could be stolen while you are stuck in a queue waiting to pass through the metal detector.
- Notebooks and hard drives can pass through X-Ray machines but never allow these to pass through a metal detector. This can cause data loss to the hard drive.
- Never place your notebook in the overhead storage compartment as this can make it susceptible to damage caused by turbulence that may be experienced during the flight or in other case theft. You can store your notebook under your seat, where it is always in sight.
- You should take every precaution to protect your notebook from dust, dirt, liquid spillage, food droppings, extreme weather conditions and direct exposure to sunlight.
- When travelling between different climates, from one extreme to another, condensation may occur inside the notebook. If this does happen, please allow sufficient time for the moisture to evaporate completely, before attempting to switch on.
- When travelling from extremely colder to extremely warmer climates in a short space of time, and vice versa, please allow the notebook some time to adapt to the change in environment.

Usage Tips

- When unplugging the power connector from the notebook, please hold and pull on the connector or the strain relief loop to disconnect. Do not pull the power cord itself as this can cause damage to the cable or the notebook.
- In the event of an electrical storm, please disconnect the notebook from the power source and unplug any network or telephone cables that may be connected to the notebook.

- Do not use the notebook near water sources, like bathtubs, washing basins, kitchen or laundry sinks or swimming pools. Liquid that can spill onto the notebook by accident can cause electric shock to you and damage to the notebook.

Cleaning Tips

When cleaning the notebook, please make sure that the notebook is switched off and disconnected from the power source and that the battery is removed.

Notebook Cover:

Use a microfiber or lint free soft cotton cloth and kitchen detergent (mix 5 parts water to 1 part detergent).

- Wet the cloth and wring out all excess liquid and wipe the surfaces clean.
- Take extra care to make sure that the cloth is damp and not very wet, especially when cleaning around the air vents and other openings as too much liquid in the cloth could drip onto the external components causing damage to the notebook.
- Do not clean the keyboard with this liquid.

Keyboard:

- It is advisable to use a can of compressed air to clean debris that maybe caught underneath the keys.
- Isopropyl alcohol can be used to clean the keys by dipping a lint-free soft cloth into it, wringing out the excess liquid and wiping the keys.
- Allow to dry for at least 5 minutes.

LCD:

- It is best to use a microfiber cloth to clean the surface of the LCD.
- If there are any marks or stains present, it would be wise to use commercially available LCD cleaning kit. When using a commercially available LCD cleaning kit, never spray the liquid directly onto the screen. You must spray it onto the cleaning cloth and then wipe the screen clean.
- If this is not available then you can mix 50% isopropyl alcohol and 50% distilled water to clean the surface of the LCD screen.
- Dip the lint free soft cotton cloth into the solution, wringing out excess liquid.
- The cloth must be damp but not dripping with liquid.
- Take care not to let any excess liquid drip into the notebook.
- Start from the top of the LCD surface and wipe from side to side.
- Continue with this until the entire LCD surface has been cleaned.
- Wipe the display with a clean, dry lint free soft cotton or microfiber cloth.
- Wait for the LCD surface to dry completely and then close the lid.

Be careful when using Isopropyl Alcohol as this is a flammable liquid. Please keep away from children, naked flames or a notebook that is switched on.

Warranty Guidelines

All warranty repairs and service must be carried out by a GIGABYTE Authorized Repair Centre.

GIGABYTE Limited Warranty

GIGABYTE warrants, that the GIGABYTE branded Notebook/Netbook is free of any defects in materials and workmanship under normal use during the warranty period.

- All GIGABYTE supplied AC adapters and batteries carry a 1 year limited warranty.
- The warranty is effective from date of purchase.
- If proof of purchase cannot be shown, then the warranty will be determined based on the date of manufacture.
- The limited warranty is only valid for GIGABYTE branded or supplied hardware.
- In the event that a defect arises in materials or workmanship and proof is shown of this defect, GIGABYTE will, through its authorized service provider or partner, repair the product at no extra charge, using new or refurbished replacement parts in order to fulfill the warranty obligations.
- If, during the warranty period, GIGABYTE or its service provider is unable to repair the product, the product will be replaced with a comparable product that is new or refurbished.

Warranty Limitations

The GIGABYTE Limited Warranty does not cover the following…

- Software, including the operating system and applications supplied with the product. This also includes third party software that may be installed after purchase.
- Third party hardware, products and accessories not supplied by GIGABYTE. This also includes third party hardware that may be bundled with the notebook or netbook.
- Products with missing or defaced labels and/or serial numbers
- Products damaged by environmental factors, which include oxidation
- Products damaged by natural disasters or acts of God.
- Physical Damages which include, but not limited to, the following:
  - Unauthorized modifications, repairs or servicing
  - Misuse, abuse, neglect or failure to follow instructions in the user manual.
  - Improper assembly
  - Damages caused by transport due to improper packaging or mishandling by the courier company unless transport is part of the warranty conditions in certain countries.
  - Electric damage resulting from faulty or failed electric power or power surges.
  - Damaged or cracked components
  - Liquid damage

Regulatory Notices

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital service, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this
equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that towhich the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- All external cables connecting to this basic unit must be shielded. For cables connecting to PCMCIA cards, see the option manual or nstallation instructions.

RF Exposure

This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

CE Notice (European Union)

This symbol CE indicates this Booktop E1425 notebook complies with the EMC Directive and the European Union's Low Voltage Directive. This symbol also indicates that E1425 meets the following technical standards:

- EN 55022 — "Limitations and Methods of Measurement for the Radio Interferences of Information Technology Equipment."
- EN 55024 — "Information technology equipment - Immunity characteristics - Limits and methods of measurement."
- EN 61000-3-2 — "Electromagnetic compatibility (EMC) - Chapter 3: Limits - Section 2: Limits on the harmonic current emissions (Equipment input current up to and including 16 A per phase)."
- EN 61000-3-3 — "Electromagnetic compatibility (EMC) - Chapter 3: Limits - Section 3: Limits on the voltage fluctuations and flicker in low-voltage power supply systems for equipment with rate current up to and including 16 A."

NOTE: EN 55022 emissions requirements provide for two classifications

- Class A governs commercial use
- Class B is governs residential use

For CB:

- Only use batteries designed for this computer. The wrong battery type may explode, leak or damage the computer
- Do not remove any batteries from the computer while it is powered on
- Do not continue to use a battery that has been dropped, or that appears damaged (e.g. bent or twisted) in any way. Even if the computer continues to work with a damaged battery in place, it may cause circuit damage, which may possibly result in fire.
- Recharge the batteries using the notebook's system. Incorrect recharging may make the battery explode.
- Do not try to repair a battery pack. Refer any battery pack repair or replacement to your service representative or qualified service personnel.
- Keep children away from, and promptly dispose of a damaged battery. Always dispose of batteries carefully. Batteries may explode or leak if exposed to fire, or improperly handled or discarded.
- Keep the battery away from metal appliances.
- Affix tape to the battery contacts before disposing of the battery.
- Do not touch the battery contacts with your hands or metal objects.

Battery Disposal & Caution

The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws. It may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used battery according to the manufacturer's instructions.

BSMI Notice (Taiwan Only)

Most E1425 computers are classified by the Bureau of Standards, Meteorology and Inspection (BSMI) as Class B information technology equipment (ITE).

R32323

The symbol above must be attached to the product indicating compliance with the BSMI standard.

Replaceable Batteries

If any equipment is provided with a replaceable battery, and if replacement by an incorrect type could result in an explosion (for example, with some lithium batteries), the following applies:

- if the battery is placed in an operator access area, there shall be a marking close to the battery or a statement in boththe operating and the servicing instructions;
- if the battery is placed elsewhere in the equipment, there shall be a marking close to the battery or a statement in the servicing instructions.

This marking or statement shall include the following or similar text:

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
WITH AN INCOMPATIBLE BATTERY TYPE.
DISPOSE OF USED BATTERIES
ACCORDING TO THE INSTRUCTIONS



Introduction

Congratulations and thank you for purchasing the GIGABYTE notebook computer. This portable notebook computer provides excellent multimedia functionality and is designed to provide you reliable, no fuss computing.

This manual will explain to you, step by step, how to setup and begin using your E1425. It provides basic configuring,operation, care and troubleshooting guidelines.

Content



Chapter 1 Before You Start

This chapter provides basic information to help you get started and to use the E1425 notebook.
Some of the features described herein may not function properly or at all unless used in conjunction with the pre-installed operating system. Any change to the operating system may cause improper function.

1.1 Make Sure You Have Everything

When you receive your notebook PC, unpack it carefully and check to make sure you have all the items listed below. For a pre-configured model you should have the following:

- GIGABYTE Notebook Computer
- Lithium-Ion Battery
- AC Adapter with Power Cord
- Driver Disc
- Quick Start Guide

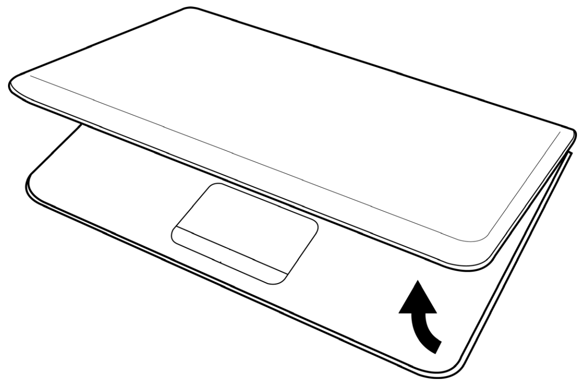
Once you have checked and confirmed that your notebook system is complete, read through the following pages to learn about all of your notebook components.

NOTE: Depending on the model you purchased, the actual appearance of your notebook may vary from that shown in this manual.These images are for illustration purposes.

1.2 Familiarize Yourself with the Computer

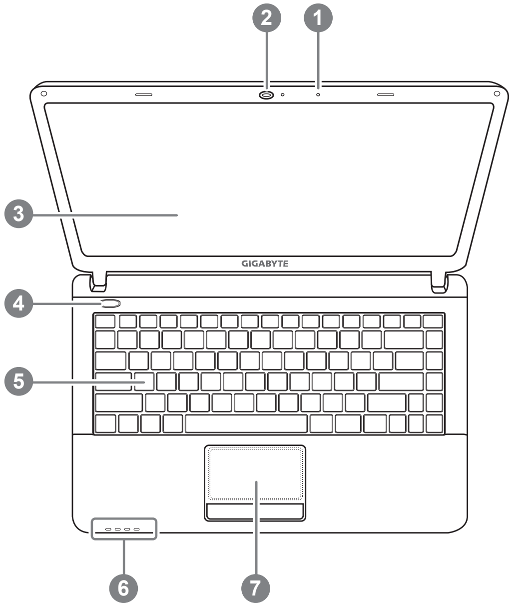
Opening The Display Panel

To open the display panel, simply lift the lid up. Use your one hand to hold the machine and use the other to open the display panel. When closing the lid, be sure not to slam it closed.



1.3 Top View

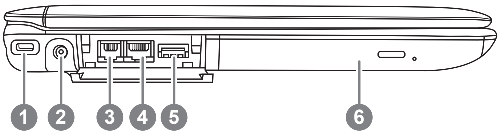
The following is an overview of the front of the notebook.



NO.	Item	Function
1	**Microphone**	The microphones are built into the LCD Panel and work like standard microphones and are used to speak during video chat session etc.
2	**Webcam**	The built-in webcam is housed here. The resolution depends on the configuration purchased. The cam is perfeect for online chat and video streaming.
3	**LCD Display**	The display type and size depends on the model of notebook purchased. The supported resolution will also depend on the display type and size.
4	**Power Button**	The power button is used to switch the notebook on and off, and for emergency shutdown or restart.
5	**Keyboard**	A full-size keyboard with dedicated Windows keys.
6	**Status Indicators**	These status indicatorsare used to show specific information on the E1425 such as if the Wireless LAN or Bluetooth is On or Off and if the Battery Pack is charging or not.
7	**TouchPad**	This is the pointer device controller for the system and mimics mouse movement on the screen. It has the standard Left/Right button arrangement.

1.4 Left View

The following is a brief description of the left side of the notebook.

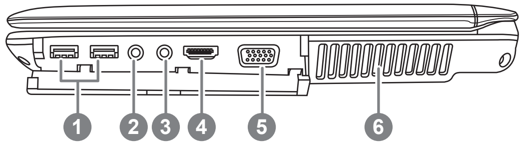


NO.	Item	Function
1	**Kensington Lock Slot**	The small port is used to secure the notebook to desks or workstations and prevent theft. The notebook lock is optional
2	**DC-in Jack**	This port is used to connect the notebooks external AC Adaptor when charging or continuous power is needed.
3	**Modem (RJ-11) Port**	The modem (RJ-11) port is used to attach a telephone line to the internal 56k modem.
4	**LAN (RJ-45) Port**	These ports are used to connect a standard RJ-45 LAN Cable for networking or RJ-11 Modem Cable for dial-up internet access.
5	**USB 2.0 Port**	These ports are used for connecting external USB Peripherals and Storage to the Notebook. Devices such as Printers, Keyboards, Mice and Drives are supported and the ports are Plug And Play.
6	**Optical Disc Drive**	TheOptical Disc Drive is used to read and write to and from optical media. The drive, depending on configuration, could be either a DVD Comb.

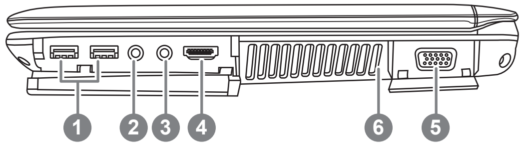
1.5 Right View

The following is a brief description of the right side of the notebook.

E1425A



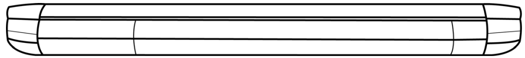
E1425M



NO.	Item	Function
1	**USB 2.0 Port**	These ports are used for connecting external USB Peripherals and Storage to the Notebook. Devices such as Printers, Keyboards, Mice and Drives are supported and the ports are Plug And Play.
2	**Headphone Jack**	This port is used to connect external audio output devices such as speakers and headphones to the notebook to enhance the sound capabilities.
3	**Microphone Jack**	This port is used to connect an external amplified microphone to the notebook to enhance the voice recording and recognition of the notebook. Typical scenarios include online chat such as Skype.
4	**HDMI Port**	The HDMI port allows outputing a video signal in full High Definition to an HD compatible display as well as na HD sound signal.
5	**External Moniter (VGA) Port**	This port is used to connect an external analog vga display to the notebook for output to a larger screen or projector.
6	**Cooling Vents**	These are open ports for the fan to dissipate heat from the computer's internal components. Do not block or place the computer in such a position that you inadvertently allow the outlets to become blocked.

1.6 Back View

The following is an overview of the back of the notebook.

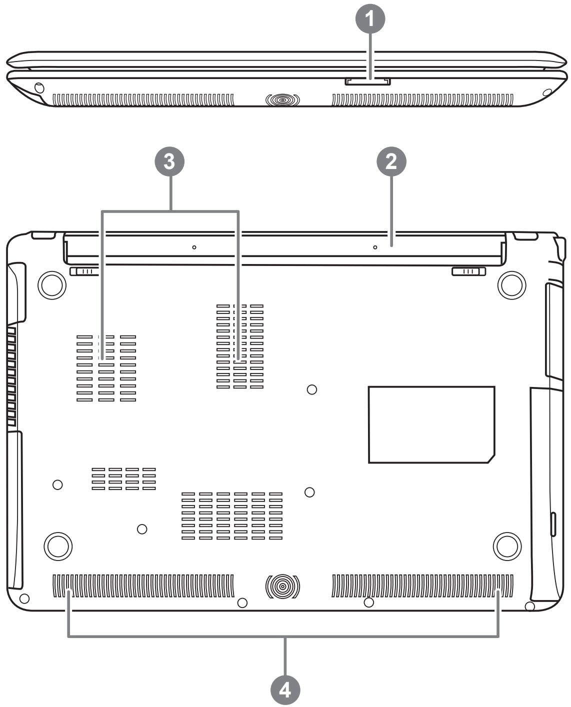


The battery pack is inserted from the back of the notebook.

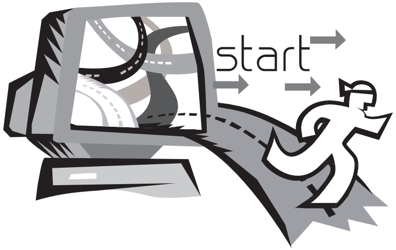
English

1.7 Bottom View

The following is an overview of the bottom of the notebook.



NO.	Item	Function
1	**Multi Card Reader**	The memory card reader offers the fastest and most convenient method to transfer pictures, music and data between your notebook and flash compatible devices such as digital cameras, MP3 players, mobile phones, and PDAs.
2	**Battery Bay**	The battery bay contains the internal Lithium-Ion battery.
3	**Cooling Vents**	These are open ports for the fan to dissipate heat from the computer's internal components. Do not block or place the computer in such a position that you inadvertently allow the outlets to become blocked.
4	**Stereo Speakers**	The multimedia speakers outtput sound from the PC in stereo mode that is generated from Windows or any application installed on the PC.



Chapter 2 Getting Started

This chapter will show you the various ports and components of the E1425 and familiarizes you with the notebook. Certain parts of the notebook can be user upgraded while others are fixed and cannot be changed.

2.1 Power Sources

Your computer has two types of power sources: a Lithium-Ion battery and an AC adapter.

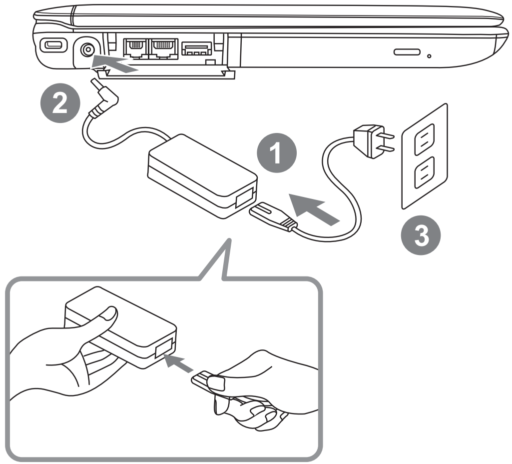
Connecting the Power Adapters
The AC adapter provides power for operating your notebook PC as well as charging the battery.

Connecting the AC Adapter
1. Plug the DC output cable into the DC power jack of your.
2. Plug the AC adapter into an AC electrical outlet.

Switching from AC Adapter Power to Battery Power
1. Be sure that you have at least one charged battery installed.
2. Remove the AC adapter. Your notebook will automatically switch from DC power to battery power.

CAUTION: The Lithium-Ion battery does not ship with a pre-charge initially. You will need to connect the AC adapter to useyour notebook PC the first time.

It is recommended that only the AC adapter supplied with the E1425 is used. Any other adapter could cause damage or malfunction and might result in injury.



1. Connect the power cord to the AC adapter.
2. Connect the AC adapter to the DC power port of your computer.
3. Connect the AC adapter power cord to an AC outlet.

2.2 Recharging the Battery

The Lithium-Ion battery is recharged internally using the AC adapter. To recharge the battery, make sure the battery is installed and the computer is connected to the AC adapter.

There is no "memory effect" in Lithium-Ion batteries; therefore you do not need to discharge the battery completely before recharging. The charge times will be significantly longer if your notebook PC is in use while the battery is charging. If you want to charge the battery more quickly, put your computer into Suspend mode or turn it off while the adapter is charging the battery.

Low Battery State

When the battery charge is low, a notification message appears. If you do not respond to the low battery message, the battery continues to discharge until it is too low to operate. When this happens, your notebook PC goes into Suspend mode. There is no guarantee your data will be saved once the notebook reaches this point.

CAUTION:To protect your notebook from damage, use only the power adapter that came with it because each power adapter has its own power output rating.

Once your notebook PC goes into suspend mode as a result of a dead battery, you will be unable to resume operation until you provide a source of power either from an adapter or a charged battery. Once you have provided power, you can press the Suspend/Resume button to resume operation. In Suspend mode, your data is maintained for some time, but if a power source is not provided promptly, the power indicator stops flashing and then goes out, in which case you have lost the data that was not saved. Once you provide power, you can continue to use your computer while an adapter charges the battery.

Battery Replacement

There is danger of explosion if an incorrect battery type is used for replacement. For computers equipped with a replaceable Lithium-Ion battery pack, the following applies:

- If the battery is placed in an OPERATOR ACCESS AREA, there shall be a marking close to the battery, or a statement in both the operating and the servicing instructions;
- If the battery is placed elsewhere in the computer, there shall be a marking close to the battery or a statement in the servicing instructions.

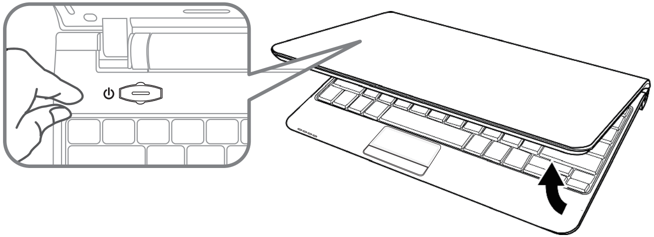
The marking or statement shall include the following or similar text:

CAUTION: Risk of explosion if battery is replaced with an incorrect type. Dispose of used batteries according to the instructions.

2.3 Starting Your Notebook

Suspend / Power on Button

The suspend/power on switch is used to turn on your notebook from its off state. Once you have connected your AC adapter or charged the internal Lithium-Ion battery, you can power on your notebook by pressing the suspend/power on button located above the keyboard. If you need to take an extended break, press the button again to turn it off.



CAUTION: Do not carry your notebook around with the power on or subject it to shocks or vibration, as you risk damaging the hard disk.

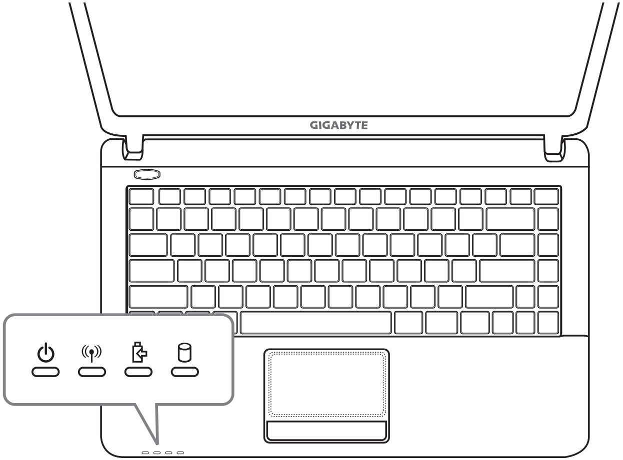
When you power on your notebook, it will perform a Power On Self Test (POST) to check the internal parts and confguration for correct functionality. If a fault is found, your computer emits an audio warning and/or displays an error message.

Depending on the nature of the problem, you may be able to continue by starting the operating system or by entering the BIOS setup utility and revising the settings. After satisfactory completion of the Power On Self Test (POST), your notebook loads the installed operating system.

CAUTION Never turn off your notebook during the Power On Self Test (POST), or an unrecoverable error may occur.

2.4 Status Indicators

The status indicator lights correspond to specific operating modes. These modes are: Power on/ Suspend status, Battery/AC Adapter status, hard drive activity (HDD), Num Lock, Caps Lock, and wireless transmission activity.



LED status indicators

These status indicatorsare used to show specific information on the E1425 such as if the Wireless LAN or Bluetooth is On or Off and if the Battery Pack is charging or not. From Left to Right they are:

NO.	Symbol	Item	Function
1		**Power LED**	This LED shows whether the Notebook is power on or in sleep mode. A continuous blue LED indicates power, while a blinking blue LED indicates suspend/sleep mode. If this LED is off then the notebook is not powered at all.
2		**Wireless Connection LED**	This LED indicates whether the built-in Wireless LAN Module is active and connected. If the LED is on, there is connection and the adaptor is switched on. No LED means that there is no connection and the adaptor is switched off.
3		**Battery Status LED**	This LED is used to show if the battery pack of the notebook is charging or not, or if there is a battery fault. It will illuminate if the battery is charging and switch off when charged, but it will flash on and off if there is no battery present or the battery is no longer working
4		**Hard Disk Activity Status LED**	This LED indicates Hard Disk Activity and will show if the HDD is in use or idle. It will flash on and off rapidly when the drive is active and remain off when the hard drive is not being used.

2.5 Using Function Keys

Your computer has 12 function keys, F1 through F12. The functions assigned to these keys differ for each application. You should refer to your software documentation to find out how these keys are used.
The [FN] key provides extended functions for the notebook and is always used in conjunction with another key.

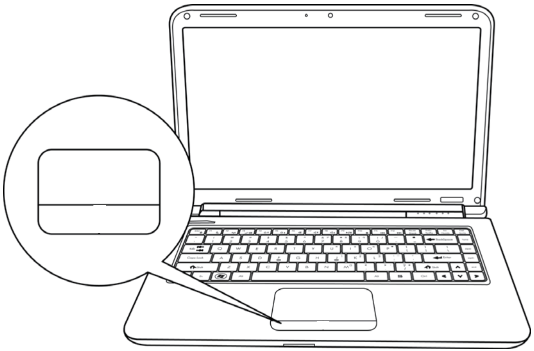


Fn+F1	**Sleep** This function will put the E1425 Notebook into sleep mode. The LCD will switch off and devices will switch to lower power mode.
Fn+F2	**Fan Control** This function will enable or disable the Silent Fan function. This will enable the user to put the fan into quiet mode if the user needs the notebook to be quieter.
Fn+F3	**Mute Volume** This function will mute the volume control in Windows and all sound output from the speakers will stop. Pressing this combination again will enable sound output.
Fn+F4	**LCD / Display-Out Switch** This function will switch the display configuration for the E1425 - It will cycle between 3 modes depending on operating system settings. These 3 Modes are: LCD Only - Image on the E1425 LCD Display Only - Image on external monitor LCD+Display - Image on LCD and external monitor
Fn+F5	**Decrease System Volume** This function will gradually and incrementally decrease the volume of the sound output from the E1425 speakers.
Fn+F6	**Increase System Volume** This function will gradually and incrementally increase the volume of the sound output from the E1425 speakers.
Fn+F7	**Decrease LCD Brightness** This function will gradually and incrementally decrease the brightness of the built in LCD panel.
Fn+F8	**Increase LCD Brightness** This function will gradually and incrementally increase the brightness of the built in LCD panel.
Fn+F9	**Disable Touchpad** This function will disable the built-in touchpad of the E1425 notebook. This function can be used if typing on the built-in keyboard so that the mouse pointer does not move.
Fn+F10	**Wireless LAN On/Off** This function will enable or disable the embedded Wireless LAN Connection. The LED Status indicator will be on when this is enabled and off when disabled.
Fn+F11	**Webcam On/Off** This function will enable or disable the built-in Webcam. This can be used when the webcam is not needed to save battery life or to disable images in conferencing software.
Fn+F12	**3.5G On/Off** This function will enable or disable the built-in 3.5G Card (The 3.5G card is optional and isn't available on E1425M & E1425A)

2.6 Using the Touchpad

A touchpad pointing device comes built into your computer. It is used to control the movement of the pointer to select items on your desktop and use applications on the notebook.

The touchpad consists of a cursor control, a left and right button, and a scroll bar. The cursor control works the same way a mouse does, and moves the cursor around the display. It only requires light pressure from the tip of your finger. The left and right buttons function the same as mouse buttons. The actual functionality of the buttons may vary depending on the application that is being used. The scroll bar allow you to navigate quickly through pages, without having to use the on-screen cursor to manipulate the up and down scroll bars.



Clicking
Clicking means pushing and releasing a button. To left-click, move the cursor to the item you wish to select, press the left button once, and then immediately release it. To right click, move the mouse cursor to the item you wish to select, press the right button once, and then immediately release it. You also have the option to perform the clicking operation by tapping lightly on the touchpad once.

Double-Clicking
Double-clicking means pushing and releasing the left button twice in rapid succession. This procedure does not function with the right button. To double-click, move the cursor to the item you wish to select, press the left button twice, and then immediately release it. You also have the option to perform the double-click operation by tapping lightly on the touchpad twice.

Dragging
Dragging means pressing and holding the left button while moving the cursor. To drag, move the cursor to the item you wish to move. Press and hold the left button while moving the item to its new location and then release it. Dragging can also be done using the touchpad. First, tap the touchpad twice over the item you wish to move, making sure to leave your finger on the pad after the final tap. Next, move the object to its new location by moving your finger across the touchpad, and then release your finger. Using the Scroll bar allows you to navigate through a document quickly without using the window's scroll bars. This is particularly useful when you are navigat-ing through on-line pages.

Chapter 3 GIGABYTE Smart Recovery

3.1 GIGABYTE Smart Recovery

System Recovery - Restore your E1425 operating system.
The hard drive of the E1425 has a hidden partition that contains a full backup image of the operating system that can be used to recover the system in the event that something happens to the operating system.

If the hard drive is removed or the partition deleted, the recover options will no longer be available and a recovery service will be needed.

Launch System Recovery

The system recover feature is part of the netbook installation and it ships preset from the factory. The options menu allows you to launch the Windows recovery tool to reinstall the operating system to factory defaults.
Below will briefly describe how to launch the recovery tool and to get the recovery started.

1.Turn off or restart the netbook.
2.Turn the netbook on and press and hold the F9 key to launch the tool.

3.The recovery window will open and give you the option to "Recovery" in the toolbar. You will be prompted if you want to recovery. Click on "Recovery" to begin the repair if you do.



4.The "Recovering" window will open and begin the recovery.



5.Once it is complete you will be prompted to reboot the netbook.



Chapter 4 Troubleshooting



This section will briefly cover some frequently encountered problems and questions and provide a quick guide to assist with solve these problems. Most problems can be resolved quickly, simply and easily and are not always a system problem. Should you encounter a problem that is not yet or differently listed, please consult the GIGABYTE website or call your unit supplier for assistance.

For website assistance go to the Support section of www.gigabyte.com.tw for telephonic assistance please call the supplier of your unit or take the unit to the supplier directly for assistance.

Troubleshooting

Your notebook PC is sturdy and subject to few problems in the field. However, you may encoun-ter simple setup or operating problems that you can solve on the spot, or problems with periph-eral devices, that you can solve by replacing the device. The information in this section helps you isolate and resolve some of these straightforward problems and identify failures that require service.

4.1 Identifying The Problem

If you encounter a problem, go through the following procedure before pursuing complex troubleshooting:

1. Turn off your notebook.
2. Make sure the AC adapter is plugged into your notebook and to an active AC power source.
3. Make sure that any card installed in the PC card slot is seated properly. You can also remove the card from the slot, thus eliminating it as a possible cause of failure.
4. Make sure that any devices connected to the external connectors are plugged in properly. You can also disconnect such devices, thus eliminating them as possible causes of failure.
5. Turn on your notebook. Make sure it has been off at least 10 seconds before you turn it on.
6. Go through the boot sequence.
7. If the problem has not been resolved, contact your support representative.

Before you place the call, you should have the following information ready so that the customer support representative can provide you with the fastest possible solution:

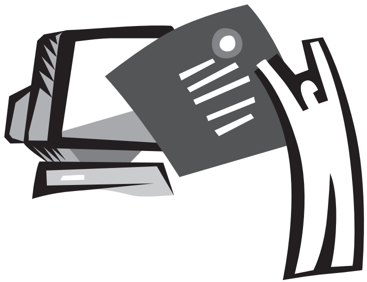
- Product name
- Product configuration number
- Product serial number
- Purchase date
- Conditions under which the problem occurred
- Any error messages that have occurred
- Hardware configuration
- Type of device connected, if any

See the configuration label on the bottom of your notebook for configuration and serial numbers.

Copyright-protected technology This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be autho-rized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

4.2 GIGABYTE Service Information

More service information please link to GIGABYTE official website:
www.gigabyte.com.tw



Appendix

E1425 Specifications

Specifications		
	E1425A	E1425M
CPU	Intel arrandale CPU(Calpella)	Intel arrandale CPU(Calpella)
OS	Windows® 7 Compliant	Windows® 7 Compliant
Chipsets	Intel® HM55 Express Chipset	ntel® HM55 Express Chipset
System Memory	"DDRIII 1066/ 1333Hz 2 slots Up to 4GB"	"DDRIII 1066/ 1333Hz 2 slots Up to 4GB"
Video Interface	ATI Mobility Radeon HD5470	Intel® HD Graphics with dynamic frequency
LCD	"14.0"" TFT-LCD WXGA, 1366 x 768 HD Glare type"	"14.0"" TFT-LCD WXGA, 1366 x 768 HD Glare type"
Hard Disk Drive	"2.5"" 9.5mm SATA HDD 5400rpm (Supports capacities of 250/320/500 GB)"	"2.5"" 9.5mm SATA HDD 5400rpm (Supports capacities of 250/320/500 GB)"
Optical Drive	12.7mm DVD- Super Multi Drive	12.7mm DVD- Super Multi Drive
I/O Port	3x USB 2.0, D-SUBx1, 1x HDMI, 1x D-sub, 1x RJ45,1x RJ11(optional) Mic-in, Earphone-out, 4-in-1 Card Reader(SD/MMC/MS/MS Pro), DC-in Jack, 1x kegsington lock	3x USB 2.0, D-SUBx1, 1x HDMI, 1x D-sub, 1x RJ45, 1XRJ11(optional), Mic-in, Earphone-out, 4-in-1 Card Reader(SD/MMC/MS/MS Pro), DC-in Jack, 1x kegsington lock
Audio	2 channels/SRS Sound Preminum support	2 channels/SRS Sound Preminum support
Bluetooth	Bluetooth 2.1+EDR (Optional)	Bluetooth 2.1+EDR(optional)
Webcam	Built-in 1.3M pixels webcam	Built-in 1.3M pixels webcam
LAN	Ethernet 10/100/1G Base T	Ethernet 10/100/1G Base T
Wireless LAN	802.11 b/g/n	802.11 b/g/n
AC Adaptor	"65w (90w optoional)"	65w
Battery	Li-ion, 8-Cell,4400 mAh	Li-ion, 4-Cell,2200 mAh
Dimension	342 (W) x 235 (D) x 32.4 (H) mm	342 (W) x 235 (D) x 32.4 (H) mm
Net Weight	~2.34kg (including battery)	~2.34kg (including battery)
Warranty	1 year	1 year

International Country Voltage

Region	Voltage	Frequency
Afghanistan	240V	50 Hz
Albania	220V	50 Hz
Algeria	230V	50 Hz
American Samoa	120V	60 Hz
Andorra	230V	50 Hz
Angola	220V	50 Hz
Anguilla	110V	60 Hz
Antigua	230V	60 Hz
Argentina	220V	50 Hz
Armenia	230V	50 Hz
Aruba	127V	60 Hz
Australia	230V	50 Hz
Austria	230V	50 Hz
Azerbaijan	220V	50 Hz
Azores	220V	50 Hz
Bahamas	120V	60 Hz
Bahrain	230V	50 Hz
Balearic Islands	220V	50 Hz
Bangladesh	220V	50 Hz
Barbados	115V	50 Hz
Belarus	220V	50 Hz
Belgium	230V	50 Hz
Belize	110V / 220V	60 Hz
Benin	220V	50 Hz
Bermuda	120V	60 Hz
Bhutan	230V	50 Hz
Bolivia	220V	50 Hz
Bonaire	127V	50 Hz
Bosnia	220V	50 Hz
Botswana	231 V	50 Hz

Region	Voltage	Frequency
Brazil	127V / 220 V	60 Hz
Brunei	240V	50 Hz
Bulgaria	230V	50 Hz
Burkina Faso	220V	50 Hz
Burundi	220V	50 Hz
Cambodia	230V	50 Hz
Cameroon	220V	50 Hz
Canada	120V	60 Hz
Canary Islands	220V	50 Hz
Cape Verde	220V	50 Hz
Cayman Islands	120V	60 Hz
Central African Republic	220V	50 Hz
Chad	220V	50 Hz
Channel Islands	230V	50 Hz
Chile	220V	50 Hz
China (mainland only)	220V	50 Hz
Colombia	120V	60 Hz
Comoros	220V	50 Hz
Congo-Brazzaville	230V	50 Hz
Congo-Kinshasa	220V	50 Hz
Cook Islands	240V	50 Hz
Costa Rica	120V	60 Hz
Côte d'Ivoire	230V	50 Hz
Croatia	230V	50 Hz
Cuba	110V	60 Hz
Cyprus	240V	50 Hz
Czech Republic	230V	50 Hz
Denmark	230V	50 Hz
Djibouti	220V	50 Hz
Dominica	230V	50 Hz

Region	Voltage	Frequency
Dominican Republic	110V	60 Hz
East Timor	220V	50 Hz
Ecuador	120V	60 Hz
Egypt	220V	50 Hz
El Salvador	115V	60 Hz
Equatorial Guinea	220V	50 Hz
Eritrea	230V	50 Hz
Estonia	230V	50 Hz
Ethiopia	220V	50 Hz
Faroe Islands	220V	50 Hz
Falkland Islands	240V	50 Hz
Fiji	240V	50 Hz
Finland	230V	50 Hz
France	230V (formerly 220V)	50 Hz
French Guiana	220V	50 Hz
Gaza Strip	230V	50 Hz
Gabon	220V	50 Hz
Gambia	230V	50 Hz
Georgia	220V	50 Hz
Germany	230V (formerly 220V)	50 Hz
Ghana	230V	50 Hz
Gibraltar	240V	50 Hz
Greece	230V (formerly 220V)	50 Hz
Greenland	220V	50 Hz
Grenada	230V	50 Hz
Guadeloupe	230V	50 Hz
Guam	110V	60 Hz
Guatemala	120V	60 Hz
Guinea	220V	50 Hz
Guinea-Bissau	220V	50 Hz

Region	Voltage	Frequency
Guyana	240V	60 Hz
Haiti	110V	60 Hz
Honduras	110V	60 Hz
Hong Kong	220V	50 Hz
Hungary	230V (formerly 220V)	50 Hz
Iceland	230V	50 Hz
India	220V	50 Hz
Indonesia	127V / 230V	50 Hz
Iran	220V	50 Hz
Iraq	230V	50 Hz
Ireland	230V (formerly 220V)	50 Hz
Isle of Man	240V	50 Hz
Israel	230V	50 Hz
Italy	230V (formerly 220V)	50 Hz
Jamaica	110V and 220V	50 Hz
Japan	100 V	50 Hz / 60Hz
Jordan	230V	50 Hz
Kazakhstan	220V	50 Hz
Kenya	240V	50 Hz
Kiribati	240V	50 Hz
Kuwait	240V	50 Hz
Kyrgyzstan	220V	50 Hz
Laos	230V	50 Hz
Latvia	220V	50 Hz
Lebanon	240V	50 Hz
Lesotho	220V	50 Hz
Liberia	120V / 240V	50 Hz
Libya	127V	50 Hz
Lithuania	230V (formerly 220V)	50 Hz
Liechtenstein	230V	50 Hz

Region	Voltage	Frequency
Luxembourg	230V (formerly 220V)	50 Hz
Macau S.A.R. of China	220V	50 Hz
Macedonia	220V	50 Hz
Madagascar	127V / 220 V	50 Hz
Madeira	220V	50 Hz
Malawi	230V	50 Hz
Malaysia	240V	50 Hz
Maldives	230V	50 Hz
Mali	220V	50 Hz
Malta	230V	50 Hz
Martinique	220V	50 Hz
Mauritania	220V	50 Hz
Mauritius	230V	50 Hz
Mexico	127V	60 Hz
Micronesia	120V	60 Hz
Moldova	220-230V	50 Hz
Monaco	127V / 220 V	50 Hz
Mongolia	230 V	50 Hz
Montenegro	220V	50 Hz
Montserrat (Leeward Is.)	230V	60 Hz
Morocco	127V / 220 V	50 Hz
Mozambique	220V	50 Hz
Myanmar/Burma	230V	50 Hz
Namibia	220V	50 Hz
Nauru	240V	50 Hz
Nepal	230V	50 Hz
Netherlands	230V (formerly 220V)	50 Hz
Netherlands Antilles	127V / 220V	50 Hz
New Caledonia	220V	50 Hz

Region	Voltage	Frequency
New Zealand	230V	50 Hz
Nicaragua	120V	60 Hz
Niger	220V	50 Hz
Nigeria	240V	50 Hz
North Korea	220V	50 Hz
Norway	230V	50 Hz
Okinawa	100 V	60 Hz
Oman	240V	50 Hz
Pakistan	230V	50 Hz
Panama	110V	60 Hz
Papua New Guinea	240V	50 Hz
Paraguay	220V	50 Hz
Peru	220V	60 Hz
Philippines	220V	60 Hz
Poland	230V	50 Hz
Portugal	220V	50 Hz
Puerto Rico	120V	60 Hz
Qatar	240V	50 Hz
Réunion	220V	50 Hz
Romania	230V (formerly 220V)	50 Hz
Russian Federation	220V	50 Hz
Rwanda	230V	50 Hz
St. Kitts and Nevis	110V / 230V	60 Hz
St. Lucia (Winward Is.)	240V	50 Hz
St. Vincent (Winward Is.)	230V	50 Hz
São Tomé and Príncipe	220V	50 Hz
Saudi Arabia	127V / 220V	60 Hz
Senegal	230V	50 Hz
Serbia	220V	50 Hz

Region	Voltage	Frequency
Seychelles	240V	50 Hz
Sierra Leone	230V	50 Hz
Singapore	230V	50 Hz
Slovakia	230V	50 Hz
Slovenia	230V	50 Hz
Somalia	220V	50 Hz
South Africa	220V	50 Hz
South Korea	220V	60 Hz
Spain	230V (formerly 220V)	50 Hz
Sri Lanka	230V	50 Hz
Sudan	230V	50 Hz
Suriname	127V	60 Hz
Swaziland	230V	50 Hz
Sweden	230V	50 Hz
Switzerland	230V	50 Hz
Syria	220V	50 Hz
Tahiti	110V / 220V	60 Hz / 50 Hz
Taiwan	110V	60 Hz
Tajikistan	220V	50 Hz
Tanzania	230V	50 Hz
Thailand	220V	50 Hz
Togo	220V	50 Hz
Tonga	240V	50 Hz
Trinidad & Tobago	115V	60 Hz
Tunisia	230V	50 Hz
Turkey	230V	50 Hz
Turkmenistan	220V	50 Hz
Uganda	240V	50 Hz
Ukraine	220V	50 Hz

Region	Voltage	Frequency
United Arab Emirates	220V	50 Hz
United Kingdom	230V (formerly 240V)	50 Hz
United States of America	120V	60 Hz
Uruguay	230V (formerly 220V)	50 Hz
Uzbekistan	220V	50 Hz
Vanuatu	230V	50 Hz
Venezuela	120V	60 Hz
Vietnam	220V	50 Hz
Virgin Islands	110V	60 Hz
Western Samoa	230V	50 Hz
Yemen	230V	50 Hz
Zambia	230V	50 Hz
Zimbabwe	220V	50 Hz

Plug Type

Country	Plug Type	Plug Picture	Connector Type	Connector Picture
USA Canada	**LP-30B**		**LS15**	
Japan	**LP-54**		**LS15**	
Taiwan	**LP-53**		**LS15**	
China	**PC-323**		**LS15**	
Korea	**LP-E04**		**LS15**	
England Singapore	**LP-60L**		**LS15**	
South Africa	**PE-364**		**LS15**	
	PE-361		**LS15**	

Australia	**LP-23A**		**LS15**	
Germany	**LP-33**		**LS15**	
France				
Sweden				
Finland				
Norway				
Belgium				
Netherlands				
Austria				
Switzerland	**LP-37**		**LS15**	
Denmark	**LP-38**		**LS15**	
Italy	**PE-336**		**LS15**	

E1425系列笔记本电脑使用手册
初版：2010/07
本手册可引导您设定和使用全新E1425笔记本电脑。本手册资讯之正确性皆经过查核，如有变更恕不另行通知。

商标
GIGABYTE™ 为技嘉科技股份有限公司之注册商标。

本手册提及之所有其他品牌或产品名称皆为其所属公司之商标或注册商标。

安全说明

在使用您的E1425系列笔记本电脑时
请遵守以下安全准则以保护您自己和您的笔记本电脑。

小心：使用笔记本电脑时，请勿长时间将电脑的底部直接接触皮肤。长时间使用后，热量会累积在电脑底部。若与皮肤持续接触会造成不适感或灼伤。

- 当您将笔记本电脑从外箱取出后，请将包装组件放置于幼童不易取得之处，以免误食造成窒息。
- 请勿将物品压在适配器的电源线上，此外请将电源线置于安全处以避免将人绊倒或遭人踩踏。使用电脑或为电池充电时，请将适配器放置于通风处，如桌面或地板上。请勿以纸张或其他物品复盖适配器以免阻碍通风。使用笔记本电脑时，务必保持散热孔周边至少10公分距离畅通。
- 请勿将任何物品插入笔记本电脑的散热孔。否则会造成短路，进而导致火灾或触电。
- 请勿用手触摸或按压液晶屏幕。
- 限使用笔记本电脑制造商随附的适配器和电池。使用其他类型的电池或适配器可能会让发生火灾或爆炸的风险提高。
- 限使用E1425笔记本电脑制造商随附的适配器和电池。使用其他类型的电池或适配器可能会让发生火灾或爆炸的风险提高。
- 电池的装入方式不正确可能会导致爆炸。
- 若需更换电池时，限定使用制造商建议的相同或相容电池。
- 连接笔记本电脑与电源之前，请确认适配器的额定电压符合可用电源的电压。各国电压列表请参考第27页。
- 使用延长线连接适配器时，请确认所有连接装置的电流总量是否超出延长线的电流总容量。
- 从笔记本电脑取出电池时，请先关机并从插座拔下适配器，然后取出电池。

小心:携带电池时，请勿将电池放在口袋、皮包或其他容器中，否则金属物体(如车钥匙)可能会让电池的电极短路。若需要单独寄送电池时，请放置在防静电袋子里寄送。

- 请依照制造商指示回收废弃电池。勿将电池投入火中，否则会产生爆炸。
- 请勿自行维修笔记本电脑。维修服务请洽技嘉各地服务据点。

商务旅行须知

虽然笔记本电脑设计很坚固以符合行动生活的需求，但在旅行时还是需要特别注意以下几件事:

- 最重要的旅行配件是电脑保护袋，好的电脑保护袋必须具备防碰撞的缓冲衬垫且尺寸要够大才能完整包复笔记本电脑。
- 确保电脑保护袋有足够的空间摆放适配器。请勿放置过多物品，以避免压坏笔记本电脑的液晶屏幕。
- 勿将笔记本电脑放在行李箱托运，笔记本电脑需视为手提行李。每家航空公司规定的手提行李件数不同，搭机前请先向当地航空公司询问规定细节。
- 您可让笔记本电脑接受X光机的安全检查，当把电脑放入输送带时，请留意笔记本电脑以免被窃取。
- 切勿让笔记本电脑接受金属探测器的检查，因为金属探测器会造成硬盘数据遗失。
- 勿将笔记本电脑置于机舱内头顶置物箱，因途中若遇乱流时容易四处滑动造成笔记本电脑损坏，请置于座椅下方可视之处。
- 请避免笔记本电脑、电池和硬盘承受环境中的危险，如尘土、灰尘、食物、液体高低温以及阳光直接照射。
- 当笔记本电脑移往温度或湿度差异极大的环境时，笔记本电脑的内外可能会发生凝结现象。为了避免电脑受损，继续使用前请等候一段时间，直到湿气蒸发为止。
- 由低/高温环境将笔记本电脑移至高/低温环境时，开启电源前请等候一段时间，直到电脑适应新环境为止。

使用须知

- 拔下电源线时，请务必拉拔电源线的接头或松脱装置，请勿拉拔电源线本体。拔下接头时，请垂直拉出以免接脚弯曲。连接电源线之前，请另外注意接头的方向是否正确与对齐。
- 为了避免触电的风险，请勿在打雷时插拔任何缆线。
- 勿在周遭有水的地方使用笔记本电脑，如浴缸、洗手台、厨房、洗衣间的水槽、潮湿的地下室或游泳池。液体滴落在笔记本电脑内会造成触电或是腐蚀电子线路。

清洁电脑须知

清洁笔记本电脑之前，请先关机，接着拔下电源线并取出电池。

笔记本电脑外壳:
将厨房清洁剂和清水以1:5比例稀释后再用软质擦拭布蘸取擦拭。
- 将软质擦拭布拧干擦拭表面及底部机壳。

键盘:
- 利用吹尘器具喷出的高压气体吹出键盘下方的灰尘与脏污。
- 可用软质擦拭布沾几滴异丙醇清洁键盘。
- 擦拭完请留5分钟让键盘自然干燥。

面板:
- 建议使用奈米清洁擦拭布清洁面板。
- 如面板表面有脏污，请使用市面上液晶屏幕专用清洁产品清除。当使用清洁产品时，请将清洁液喷在擦拭布上，再用擦拭布擦拭面板，千万不可将清洁液直接喷在屏幕上。
- 如果没有液晶屏幕专用清洁液也可用异丙醇与水以1:1的比例稀释后，再用擦拭布沾稀释液拧干后清洁屏幕。

保固服务

产品维修及服务都需透过技嘉授权的服务中心。

技嘉保固
技嘉保证所有技嘉品牌的笔记本电脑及笔记本电脑出厂前均受到严
密的
品质控管。若在正常使用的情况下故障且产品尚在保固期限内，技嘉将提供您免费的保固维修服务。

- 本产品随机所附的电池及适配器，自购买日起提供一年全球保固。
- 维修时若未出具购买凭证，则保固期自本公司制造日算起。
- 随机所附赠的软体光盘、电脑保护袋及其他附件赠品恕不在保固范围内。
- 假如产品经证实原料或组装有瑕疵，技嘉服务中心将用新的或整修后的料件免费维修，完成保固义务。
- 若在保固期内，技嘉服务中心无法提供相同料件修复，将会以类似的新料件或修复过后的料件取代。

保固限制
技嘉保固范围不包含以下
- 软体:包含作业系统、产品随附软体及使用者自行安装之软体恕不在保固范围内。驱动程序及软体光盘因涉及版权问题，使用者若因故遗失或毁损时本公司恕无法提供保固服务及接受付费购买。
- 其他厂商提供之硬体、产品或配件。
- 产品贴附的贴纸。
- 产品因受环境因素而损坏，如氧化。

- 因天灾或遇不可抗力造成之损坏。
- 人为损坏
  - 自行拆装、任意变更规格。
  - 未遵照使用手册指示不当使用。
  - 购买后因搬迁、移动摔落而导致故障损坏时。
  - 使用非本公司原厂之配件所引起之故障或损坏。
  - 损毁的零件。
  - 受液体泼洒造成的损坏。

法规须知

联邦通讯委员会须知

本设备系依照美国联邦委员会规范第15条之规定测试，结果符合B级数位化服务之各项限制。这些限制之用意旨在规定住宅安装时应提供适当之保护，以防范不良干扰。

擅自对本设备进行变更或修改将导致使用者丧失操作本设备之权利。本设备产生、使用并发出无线电频率能量。若未遵守说明进行安装与使用时，恐干扰无线电通讯。然而，对于特定之安装并不保证不会造成干扰。如本设备确对收音机或电视机接收造成不良干扰(可借由开关设备之方式确认)，则用户可透过下述方法试着解除干扰：

- 重新调整接收天线之方向。
- 拉开设备与接收器之间距。
- 将设备接至不同插座上，让设备与接收器各自使用不同的电路。
- 洽询经销商或具相关经验的无线电/电视技术人员寻求协助。
- 所有连接至本机的外部缆线均应使用屏蔽缆线。若是连接至PC-MCIA卡的缆线，请参照配件手册或安装说明。

射频曝露值

本设备必须依据所提供的指示安装及操作，且不得与任何其他天线或发射机并置或共同操作。必须对一般使用者及安装人员提供天线安装指示及发射机操作条件，以满足射频曝露值的法规要求。

CE须知(欧盟)

此标志 代表本E1425 系列笔记本电脑符合EMC规范及欧盟的低电压规范。 此标志同时代表本E1425 系列符合以下技术标准：

- EN 55022—「资讯技术设备之无线电干扰的测量方法与限制。」
- EN55024—「资讯技术设备－电磁耐受特性－测量方法与限制。」
- EN 61000-3-2—「电磁相容性(EMC)－第3章：限制－第2节：谐波放射限制(每相位输入电流最高且包括16A的设备)。」
- EN 61000-3-3—「电磁相容性(EMC)—第3章：限制—第3节：额定电流最高且包括16A之设备，其低电压供电系统之电压变动限制。」

注意：EN 55022放射要求提供两种分类

- A级适用于商业用途
- B级适用于住宅用途

针对CB：

- 请仅使用专为本电脑所设计的电池。不正确的电池类型可能会造成爆炸、漏电或损坏电脑
- 请勿在开启电源时取出电脑的电池
- 请勿继续使用已掉落的电池，或是出现任何损坏状况(例如弯曲或扭曲)的电池。即使电脑能够以受损的电池继续运作，也可能造成电路损坏，并造成火灾。
- 请使用笔记本电脑的系统为电池充电。不正确的充电方式可能会导致电池爆炸。
- 请勿尝试自行修理电池。请交由维修代表或合格维修人员进行任何电池修理或更换。
- 请勿让儿童接触受损的电池，并立即加以丢弃。请务必谨慎处理电池。若曝露在火焰中、不当处理或弃置，可能会造成电池爆炸或漏电。
- 请将电池远离金属设备。
- 在弃置电池之前，请在电池接触点上黏贴胶带。
- 请勿以双手或金属物体碰触电池接触点。

电池弃置及注意事项

您所购买的产品含有可充电电池。这种电池可回收。依美国许多州及各地法律，在电池使用寿命结束时，若将本电池弃置在都市废弃物流中，有可能构成违法。请洽询您当地固体废弃物主管单位，以了解您所在区域的回收方案或适当的处理方式。如果电池更换不当，可能会有爆炸的危险。只能以相同或厂商建议之同类型电池进行更换。请依照制造商指示说明回收废弃电池。

BSMI须知(限台湾)

经济部标准检验局(BSMI)将大部分的笔记本电脑归类为B级资讯技术设备(ITE)。

R32323

产品必须贴上以上标志，代表符合BSMI标准的规定。

电池安全使用指南

本笔记本电脑使用的是锂电池。请勿在潮湿或腐蚀性的环境中使用电池。请勿将产品放置、存放或靠近热源、至于高温位置、放在强烈日照下、放在微波炉或加压容器中，并且请勿暴露于60度C（140度F）以上的温度中。违反这些指南将可能导致电池漏液、锈蚀、过热、爆炸或起火，并可能导致人身伤害或物品损伤。请勿穿刺、打开或拆解电池。如果电池发生漏液且您不小心碰触到漏出的液体，请立即以大量清水冲洗并寻求医疗协助。基于安全理由，且为延长电池的使用寿命，在0度C(32度F)以下或40度C（104度F）以上的温度中将无法进行充电。环境操作温度0度C到35度C。

新购买的电池需经过二至三次的完整充放电周期才能达到最高效能。此电池可进行数百次的充电和放电，但最终仍会达到使用寿命。当开机时间异常短于正常时间时，请购买新的电池。您只能使用技嘉核准的电池，并使用技嘉专为此装置核准的专用充电器位电池进行充电。

电池指能针对其设计目的使用。请勿使用任何已损坏的充电器或电池。请勿将电池短路。以钱币、金属片或笔之类的金属物品直接连接电池的正极（+）和负极（－）终端（外观类似像电池上的金属条）时，可能会不小心引发短路。例如，当您将备用电池放置在口袋或皮包内旧可能发生这种情况。将终端短路可能会损坏电池或连接的物品。

如果您将电池放置在过热或热冷的环境中（例如夏天或冬天的密闭车厢内），可能会导致电池容量和使用寿命缩短。请务必将电池保持介于15度C至25度C（59度F至77度F）的环境中。过热或过冷的电池会让装置在短期内无法运作，即使电池已充满电亦然。在极度过低的温度下更会使得电池效能受到限制。

请勿将电池丢置火焰中，这样可能会导致爆炸。电池如果受损也可能爆炸。废弃电池的处理应符合当地法规。请尽量将电池回收处理。切勿当成一般家庭废弃物处理。无线装置可能会受到电池干扰，并因而影响效能。

可能引发爆炸的环境

当处于可能引发爆炸的环境时，请关闭您的装置并遵守所有的指示和说明。可能引发爆炸的环境包括一般建议关闭汽车引擎的区域。此类区域的火花可能引发爆炸或火灾，进而导致人身伤害或甚至死亡。靠近加油站的加油枪时请关闭笔记本电脑。在燃料补给站、储存区和配送区、化学工厂或进行爆破作业的区域使用无线设备时，请遵守其相关限制。可能引发爆炸的环境一般（但不见得全部）都会加以标示，包括：船甲板下方、输送或储存化学物质的设备、使用液态石油气（如丙烷或丁烷）的车辆，以及空气中含有化学物质或石粒、灰尘或金属粉尘等粒子的区域。请勿在禁用行动电话或可能造成干扰或危险的区域启动笔记本电脑。

ENERGY STAR



前言

感谢您选择技嘉科技E1425系列笔记本电脑。
这台可携式笔记本电脑提供最佳的多媒体性能，让您可放心地使用。

这本操作手册包含了安装步骤和使用的必备资讯，提供基本功能配置、操作、保养及疑难排解。

目录

简体中文



第一章　　开始使用前

本章介绍开始使用E1425笔记本电脑的基本操作资讯。
一些本文所述的功能可能工作异常或根本无法工作，除非与预先安装的作业系统搭配。对作业系统所做的任何更改可能会导致不正确的运作。

1.1　确认应有品项

收到您的笔记本电脑时，请小心打开包装，并确认有下列各品项。预先装配好的笔记本电脑应有下列品项：

- 笔记本电脑
- 锂电池
- 交流适配器及电源线
- 驱动程序
- 快速使用指引

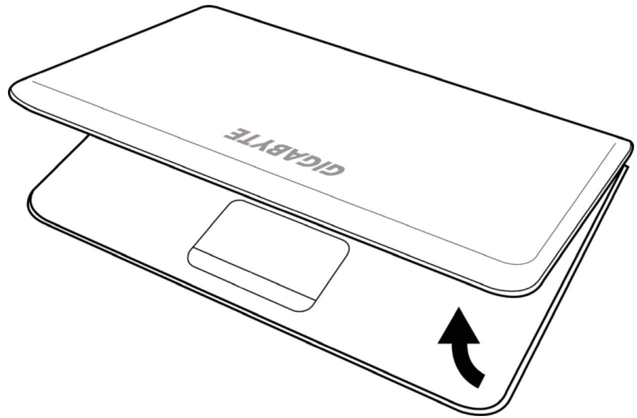
检查并确认电脑系统完备之后，请阅读以下的说明，以了解您的笔记本电脑各组件。

注意:依据您购买的机型，您的笔记本电脑外观可能会与本手册中所显示的图片不同。

1.2　熟悉您的电脑

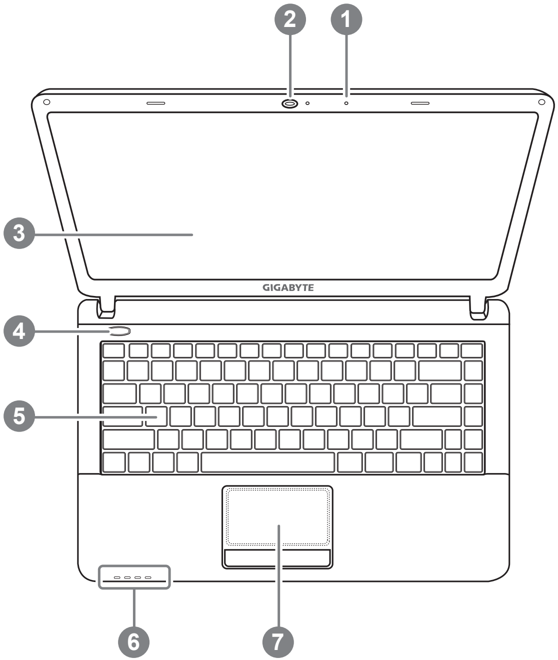
打开显示面板

若要打开屏幕，只需将屏幕向上掀开即可。
关闭屏幕时，绝不可用力盖上显示屏幕盖。



1.3 上视图

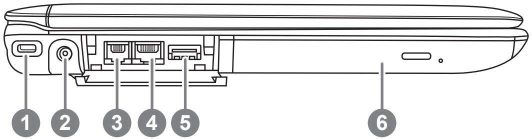
以下所示为本笔记本电脑的上视图



NO.	项目	说明
1	麦克风	内置麦克风可接收声音或其他音频数据，并传输到可接收这类输入的任何程序。
2	网络摄像头	内置130万画素相机，可让您轻松拍摄快照或进行视讯聊天、视讯会议。
3	显示面板	背光式彩色液晶显示面板，可以显示文字及图案。
4	暂停/开机按钮	此按钮可开启及关闭笔记本电脑的电源，并可切换至休眠模式。 (如需详细资讯，请参阅第10页的开机一节中的「暂停 / 开机按键」)。
5	键盘	具备Windows®专用键的标准键盘。
6	状态指示灯	状态指示灯配合各特定操作模式。 这些模式包括：开机 / 待命状态、电池 / AC适配器状态、硬盘机活动 (HDD)、数字键锁 (Num Lock)、大写键锁(Caps Lock)和无线传输活动。
7	触控板指标装置	触控板是类似鼠标的光标控制器，有二个按钮以及一个对手指触摸很灵敏的平板。

1.4 左视图

以下所示为本笔记本电脑的左视图。

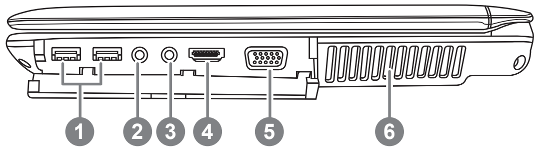


NO.	项目	说明
1	**Kensington 安全锁插槽**	Kensington安全锁插槽可让您用一条选配的安全接线，将笔记本电脑固定在一个无法移动的物体上，以确保安全。
2	**适配器输入接口**	适配器输入接口，提供您使用一般电源给笔记本电脑供电，以及对电脑内的锂电池充电。
3	**LAN(RJ-45) 连接接口**	LAN连接接口支持10/100/1000 Base-T标准RJ-45插头。
4	**调制解调器 (RJ-11) 连接接口**	调制解调器(RJ-11)连接接口 可用来将电话綫接上内置的56K调制解调器。
5	**USB连接接口**	USB连接接口让您连接通用序列总綫装置，支持标准2.0版本，数据传输速率最高可达480Mb/s。
6	**光驱**	光驱可以用来拨放媒体盘片，如CD、DVD及BD。依据您的笔记本电脑组态设定，您可能可以刻录CD、DVD光盘。

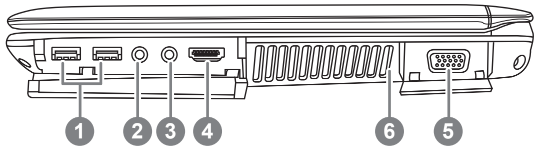
1.5 右视图

以下所示为本笔记本电脑的右视图。

E1425A



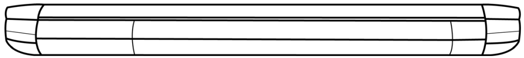
E1425M



NO.	项目	说明
1	**USB**连接接口	USB连接接口让您连接通用序列总綫装置，支持标准2.0版本，数据传输速率最高可达480Mb/s
2	麦克风插孔	麦克风插孔可外接一个单声道麦克风。
3	耳机插孔	耳机插孔可用来连接耳机、外接喇叭及放大器。
4	**HDMI** 连接接口	HDMI连接接口可让您将视讯装置连接电脑，例如电视、投影机或录像机。
5	外接式显示器连接接口	外接式显示器连接接口可用来连接外接的显示器。
6	通风口	电脑内部零件所产生的热能，会经由这些开口散发出去，使用时请勿挡住出风口，或将电脑摆放在容易挡住出风口的位置。

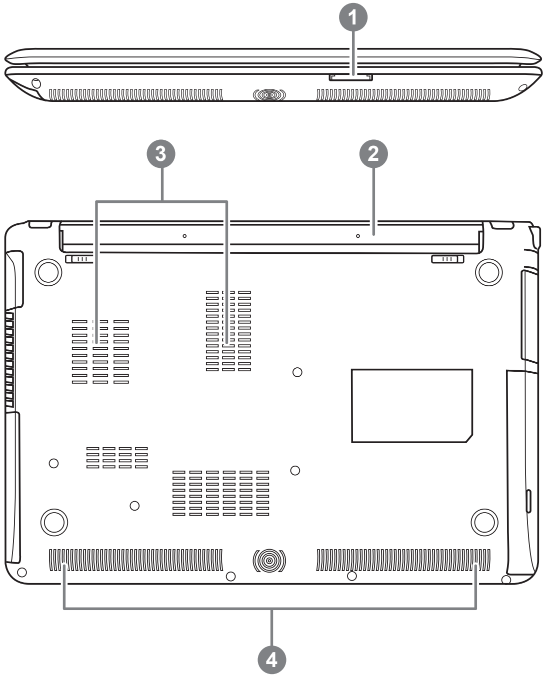
1.6 后视图

以下所示为本笔记本电脑的后视图。

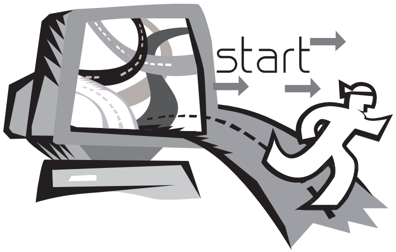


1.7 前视图&底视图

以下所示为本笔记本电脑的前视图及底视图。



NO.	项目	说明
1	记忆卡插槽	透过内存插槽，提供一个最快速、最便捷的方式，将数字相机、MP3随身听、笔记本电脑或PDA等快闪记忆卡兼容装置内的相片、音乐与数据传输至电脑。
2	锂电池槽	锂电池槽内有一内接式锂电池。
3	通风口	电脑内部零件所产生的热能，会经由这些开口散发出去，使用时请勿挡住出风口，或将电脑摆放在容易挡住出风口的位置。
4	立体声喇叭	内置双声道喇叭、提供立体音效。



第二章　　开始使用笔记本电脑

本章将带您认识E1425各式各样的连接接口及零件，并让您熟悉您的笔记本电脑。笔记本电脑的某些零件可以让使用者升级，同时有些则是固定不能变更的。

2.1 电源

本产品可使用两种电源：锂电池或交流适配器。

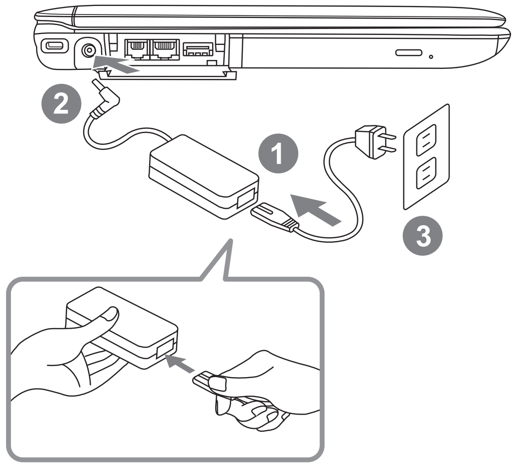
连接适配器
交流适配器提供笔记本电脑操作时所需电源，并且将电池充电。

连接交流电适配器
1. 将直流电的输出缆线插入笔记本电脑的直流电源插座。
2. 将交流电压器插入交流电电源插座。

由交流电源切换为电池电源
1. 确定至少安装一个充好电的电池。
2. 拔掉交流电压器。电脑就会自动由直流电源切换为电池电源。

购买本电脑时，锂电池尚未充电。开始使用本电脑时，应将交流电压器连接上去。

我们建议只使用随货搭配的适配器，使用其他任何适配器可能会造成笔记本电脑损害或故障，并可能会对人体造成伤害。



1. 将电源线接上适配器。
2. 将适配器连接到笔记本电脑的电源插孔。
3. 将电源线插入电源插座。

2.2 电池重新充电

电脑内的锂电池可经由交流电适配器重新充电。要将锂电池重新充电，请先确定已妥当装入电池，而且电脑以连接交流电源。

锂电池并没有「记忆功能」，因此在重新充电前，并不需要将锂电池完全放电。电池充电期间，如果正在使用笔记本电脑，充电时间会明显比较长。如果缩短充电时间，请在充电时，将电脑切换为暂停模式或关机。

低电量状态
电池电量低时，会出现通知讯息。如果您不回应电池电量不足的讯息，电池将持续放电，直到电量过低而无法操作为止。发生此种情况时，您的笔记本电脑将进入闲置模式，当电脑达到此情况时，并不保证您的数据将被储存。

注意: 为保护您的笔记本电脑免于受损，请务必使用随附的适配器，因为每一个适配器都有规定的电源输出率。

一旦因为电池没电而使电脑进入暂停模式，除非由适配器或另一个充好电的电池提供电源，否则电脑无法恢复作业。重新提供电源后，就可以按暂停 / 开机按钮来恢复作业。待机模式时，您电脑内的数据都会暂时保留，但如果等到电源指示灯停止闪烁，终究熄灭，您还没有接上外接电源，那所有未存档的数据都会消失。提供电源后就可以一边使用电脑，一边让电池充电。

电池更换
更换使用不正确类型的电池，可能会引发爆炸。对于可更换锂电池组的电脑，务必遵循下列准则：

- 如果电池的设置位置允许使用者自行更换，电池附近应有标示，或注明操作和维修指示。
- 如果电池的设置位置允许使用者自行更换，电池附近应有标示，或注明维修指示。标示或说明应包含下列类似文字。

注意: 更换使用不正确的电池，可能引发爆炸。废弃电池的处理方式须遵照说明指示。

简体中文

2.3 开启您的笔记本电脑

暂停 / 开机按钮
按下暂停 / 开机按钮可开启笔记本电脑。接上交流电压器或充好电的锂电池后，就可以按下键盘上的暂停 / 开机按钮来启动笔记本电脑。如果您需要离开一段时间，请按同一个按钮，将电脑关机。

注意:不要带着已开机的笔记本电脑四处走动，也不要让笔记本电脑受到撞击或震动，否则硬盘有损坏的危险。

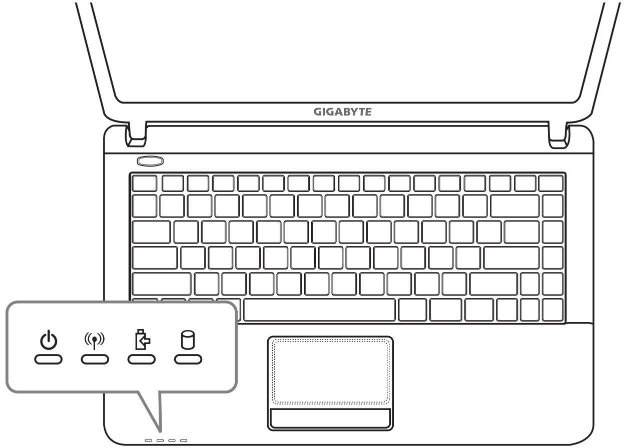
启动后，笔记本电脑会执行开机自我测试(POST)，以检查内部零件及配置是否功能正确。如果侦测到错误，电脑会发出警告声，并显示错误讯息。

视问题的性质而定，您可能可以继续执行作业系统，或是进入BIOS设定程序，然后修改设定。
成功的完成自我开机测试(POST)后，笔记本电脑会载入已安装的作业系统。

注意:电脑执行开机自我测试(POST)时，请勿关机，否则可能会发生无法复原的错误。

2.4 状态指示灯

状态指示灯配合各特定操作模式。这些模式包括：「开启 / 待机」状态、电池 / AC适配器状态，硬盘活动 (HDD)，数字键锁定(Num Lock)，大写锁定(Caps Lock)和无线传输活动。



NO.	符号	项目	说明
1		开机/待命指示灯	电脑电源开启时，此灯号会亮起，而电脑处于待命模式时，此灯号会闪烁。
2		无线传输活动状态指示灯	「无线传输活动」指示灯会显示您的电脑是否连接到蓝牙/无线网络。
3		电池指示灯	电池指示灯显示电池正在充电或已充饱电。 ● 如果您正在为电池充电，即使您的笔记本电脑已经关机，电池指示灯仍会保持亮起。 ● 如果没有电池活动、未连接适配器，或电源为关闭时，电池指示灯将会熄灭。 ● 电池如果遭受撞击、震动、极端的温度，可能会导致永久性的损坏。
4		**硬盘(HDD)** 存取指示灯	硬盘(HDD)存取指示灯显示硬盘是否正被存取，以及存取的速度。

2.5 使用功能键

您的电脑拥有12个功能键，F1~F12。功能键的指令用途会随应用软体而有所不同。请参考软件的说明文件，以确定各个功能键的使用方法。

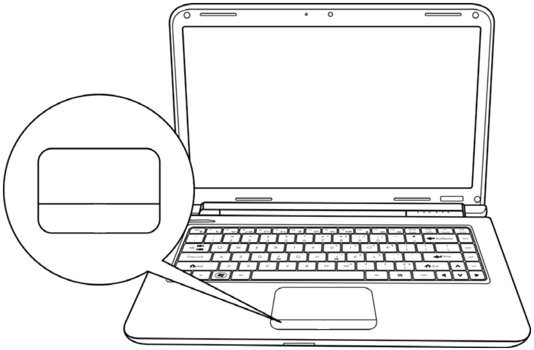
- **[FN]:** 键可扩充笔记本电脑的功能，而且会固定与另一键同时使用。
- **[FN+F1]:** 使笔记本电脑进入暂停模式。按电源按钮，则可让行动电脑回到操作模式。
- **[FN+F2]:** 关闭风扇。
- **[FN+F3]:** 关闭电脑的声音。
- **[FN+F4]:** 让您选择是否送出画面视讯。每一次按这两个组合键，就进入下一个选择。选择的先后顺序为：仅内置显示屏幕、内置显示屏幕及外接式显示器，或仅外接式显示器。
- **[FN+F5]:** 降低电脑音量。
- **[FN+F6]:** 提高电脑音量。
- **[FN+F7]:** 降低屏幕亮度。
- **[FN+F8]:** 提高屏幕亮度。
- **[FN+F9]:** 关闭触控板。
- **[FN+F10]:** 用或停用无綫网络联机。单击此按键组合可　用无綫局域网络联机。
- **[FN+F11]:** 关闭摄像头。
- **[FN+F12]:** 启用或停用3G网络联机。

简体中文

2.6 使用触控板

触控板是与电脑整合在一起的指标装置。触控板用来控制指标，可让您选择显示屏幕上的项目。

触控板包含一个光标控制介面、左键与右键。光标控制器的作用与鼠标在屏幕上移动光标相同。只要用指尖轻压，就可以在屏幕上移动光标。左键与右键的作用与鼠标的按键相同。这些按键的实际功能视应用软体而定，可能会有所不同。



点一下

点一下是按一下按钮，然后放掉。左点一下是把光标移到选定的项目，按一下左键，然后马上放掉。右点一下可选择功能，按一下右键，然后马上放掉。您也可以在触控板上轻敲一下，效果与点一下相同。

点二下

点两下是连续快速的按二下左键，然后放掉。右键并没有这个功能。要点二下，先把光标移到选定的项目，按二下左键，然后马上放掉。您也可以在触控板上轻敲二下，效果与点二下相同。

拖曳

拖曳就是移动光标时按住左键。把光标移到您想移动的项目，按住左键，然后把该项目拖曳到新的位置，再放开左键。使用触控板也可以拖曳。首先，在要被移动的项目上点二下，点二下后，手指必须留在触控板上。接下来，手指在触控板上移动，将该项目移动到新的位置，然后放开手指。

第三章 GIGABYTE Smart Recovery

3.1 GIGABYTE Smart Recovery

系统还原 – 修复您的E1425笔记本电脑作业系统

当作业系统使用上出现不稳定的情况，E1425的硬盘有一个隐藏磁区，其内容为作业系统的完整备份映像档，可以用来救援系统将硬盘还原到出厂预设值。

如果硬盘有更换过或删除该隐藏磁区，还原选项将无法使用，需送维修中心还原。

启动系统还原

系统还原功能的部份是工厂在笔记本电脑出货前预先安装的。 该选项可以启动Windows故障还原工具，重新安装作业系统为出厂预设值。

下面将简要介绍如何启动还原工具，并开始还原系统。



1. 关机或重新启动笔记本电脑。
2. 启动笔记本电脑后，按着F9按键几秒钟以启动还原工具。
3. 还原视窗会打开，工具列会有还原选项，如您确定要系统还原，点选还原选项，就开始进行修复。



4. 还原的视窗会打开并开始进行系统还原。



5. 当完成系统还原时即可重新启动笔记本电脑。

简体中文



第四章　　疑难排解

这章节提供您若机器需送修前您可自行先检查的步骤。
您也可参考技嘉科技官方网站或是直接与您购买的经销商连系寻求专业协助。

4.1 疑难排解

找出问题
使用本产品时如果碰到了问题，在进一步送修前，先按下列程序检查：
1. 先将笔记本电脑关机。
2. 确认交流电适配器已插入笔记本电脑，并且连接到交流电电源。
3. 确认外接的装置已插稳。或者拔掉这些装置，以排除其造成问题的可能原因。
4. 笔记本电脑开机。关机与开机间隔至少10秒。
5. 执行一遍开机程序。
6. 如果仍然不能解决问题，请联络专门维修人员。

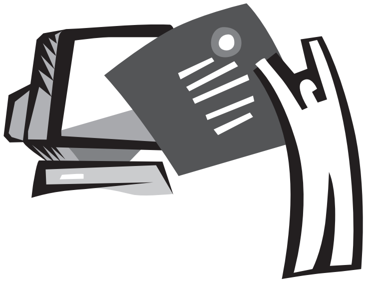
联络维修人员前，请先准备好以下数据，以便维修人员提供最迅速有效服务：
- 产品名称
- 产品配置号码
- 产品序号
- 购买日期
- 问题发生时的状况

请查看笔记本电脑底部的配置标签，以确定笔记本电脑的配置及序号。

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本产品内置受到美国专利以及其他智慧财产权保护的版权保护技术，必须经过Macrovision授权才可使用本版权保护技术，并且除非经过Macrovision授权，否则不得在家庭之外的地点观赏使用。严禁逆向工程或分解。

4.2 技嘉服务资讯

更多的服务资讯，请连结到技嘉官方网站：
http://www.gigabyte.com.cn



附录

E1425系列规格表

产 品 规 格		
项目	E1425A	E1425M
处理器	Intel® Core™ i7/ i5/ i3 Processor	Intel® Core™ i7/ i5/ i3 Processor
作业系统	内置正版Microsoft® Windows® 7作业系统	内置正版Microsoft® Windows® 7作业系统
显示屏幕	14吋高解析度1366x768 LED背光液晶屏幕	14吋高解析度1366x768 LED背光液晶屏幕
内存	2GB/4GB DDRIII 1333MHz(Max 4GB*2)	2GB/4GB DDRIII 1333MHz(Max 4GB*2)
系统晶片	Intel® HM55 高速晶片组	Intel® HM55 高速晶片组
显示晶片	ATI Mobility HD 5470	Intel® HD Graphics with dynamic frequency
硬盘	320/500GB 2.5" 9.5mm SATA HDD 5400rpm	320/500GB 2.5" 9.5mm SATA HDD 5400rpm
光驱	12.7mm Super Multi DVD RW	12.7mm Super Multi DVD RW
扩充接口	USB (2.0)*3, HDMI, D-sub, RJ45, RJ11, 麦克风、耳机插孔, 四合一读卡机(SD/MMC/MS/MS Pro), SIM Card slot	USB(2.0)*3, HDMI, D-sub, RJ45, RJ11, 麦克风、耳机插孔, 四合一读卡机(SD/MMC/MS/MS Pro), SIM Card slot
音效	1.5瓦扬声器*2, 内置式麦克风	1.5瓦扬声器*2, 内置式麦克风
通讯	10/100/1000乙太网络介面, 802.11b/g/n无线网络, 内置蓝牙V2.1+ EDR (选配)	10/100/1000乙太网络介面, 802.11b/g/n无线网络, 内置蓝牙V2.1+ EDR (选配)
摄像头	130万画素网络摄像头	130万画素网络摄像头
安全装置	硬盘密码防护, Kensington防盗锁孔	硬盘密码防护, Kensington防盗锁孔
电池	4-cell充电式锂电池2200 mAh	4-cell充电式锂电池2200mAh
尺寸	342 (W) x 235 (D) x 32.4 (H) mm	342 (W) x 235 (D) x 32.4 (H) mm
重量	约2.34kg(with battery)	约2.34kg(with battery)

各国电压列表

地区	电压	功率
阿富汗	240V	50 Hz
阿尔巴尼亚	220V	50 Hz
阿尔及利亚	230V	50 Hz
美属萨摩亚	120V	60 Hz
安道尔	230V	50 Hz
安哥拉	220V	50 Hz
安圭拉	110V	60 Hz
安提瓜	230V	60 Hz
阿根廷	220V	50 Hz
亚美尼亚	230V	50 Hz
阿鲁巴	127V	60 Hz
澳大利亚	230V	50 Hz
奥地利	230V	50 Hz
阿塞拜疆	220V	50 Hz
亚速尔群岛	220V	50 Hz
巴哈马	120V	60 Hz
巴林	230V	50 Hz
巴利阿里群岛	220V	50 Hz
孟加拉国	220V	50 Hz
巴巴多斯	115V	50 Hz
白俄罗斯	220V	50 Hz
比利时	230V	50 Hz
伯利兹	110V / 220V	60 Hz
贝宁	220V	50 Hz
百慕达	120V	60 Hz
不丹	230V	50 Hz
玻利维亚	220V	50 Hz

地区	电压	功率
博内尔	127V	50 Hz
波黑	220V	50 Hz
博茨瓦纳	231 V	50 Hz
巴西	127V / 220 V	60 Hz
文莱	240V	50 Hz
保加利亚	230V	50 Hz
布基纳法索	220V	50 Hz
布隆迪	220V	50 Hz
柬埔寨	230V	50 Hz
喀麦隆	220V	50 Hz
加拿大	120V	60 Hz
加那利群岛	220V	50 Hz
佛得角	220V	50 Hz
开曼群岛	120V	60 Hz
中非共和国	220V	50 Hz
查德	220V	50 Hz
海峡群岛	230V	50 Hz
智利	220V	50 Hz
中国大陆	220V	50 Hz
哥伦比亚	120V	60 Hz
科摩罗	220V	50 Hz
刚果-布拉萨	230V	50 Hz
刚果-金夏沙	220V	50 Hz
库克群岛	240V	50 Hz
哥斯达黎加	120V	60 Hz
科特迪瓦共和国	230V	50 Hz
克罗埃西亚共和国	230V	50 Hz

地区	电压	功率
古巴	110V	60 Hz
塞普勒斯	240V	50 Hz
捷克共和国	230V	50 Hz
丹麦	230V	50 Hz
吉布地	220V	50 Hz
多米尼克	230V	50 Hz
多明尼加共和国	110V	60 Hz
东帝汶	220V	50 Hz
厄瓜多尔	120V	60 Hz
埃及	220V	50 Hz
萨尔瓦多	115V	60 Hz
赤道几内亚	220V	50 Hz
厄立特里亚	230V	50 Hz
爱沙尼亚	230V	50 Hz
衣索比亚	220V	50 Hz
法罗群岛	220V	50 Hz
福克兰群岛	240V	50 Hz
斐济	240V	50 Hz
芬兰	230V	50 Hz
法国	230V(formerly220V)	50 Hz
法属圭亚那	220V	50 Hz
加萨走廊	230V	50 Hz
加彭	220V	50 Hz
甘比亚	230V	50 Hz
乔治亚	220V	50 Hz
德国	230V(formerly220V)	50 Hz
迦纳	230V	50 Hz

地区	电压	功率
直布罗陀	240V	50 Hz
希腊	230V(formerly220V)	50 Hz
格陵兰	220V	50 Hz
格瑞纳达	230V	50 Hz
瓜德罗普	230V	50 Hz
关岛	110V	60 Hz
瓜地马拉	120V	60 Hz
几内亚	220V	50 Hz
几内亚-比索	220V	50 Hz
盖亚那	240V	60 Hz
海地	110V	60 Hz
宏都拉斯	110V	60 Hz
香港	220V	50 Hz
匈牙利	230V(formerly220V)	50 Hz
冰岛	230V	50 Hz
印度	220V	50 Hz
印尼	127V / 230V	50 Hz
伊朗	220V	50 Hz
伊拉克	230V	50 Hz
爱尔兰	230V(formerly220V)	50 Hz
英国属地曼岛	240V	50 Hz
以色列	230V	50 Hz
义大利	230V(formerly220V)	50 Hz
牙买加	110V and 220V	50 Hz
日本	100 V	50 Hz / 60Hz
约旦	230V	50 Hz
哈萨克	220V	50 Hz

地区	电压	功率
肯亚	240V	50 Hz
吉里巴斯共和国	240V	50 Hz
科威特	240V	50 Hz
吉尔吉斯斯坦	220V	50 Hz
寮国	230V	50 Hz
拉脱维亚	220V	50 Hz
黎巴嫩	240V	50 Hz
赖索托	220V	50 Hz
赖比瑞亚	120V / 240V	50 Hz
利比亚	127V	50 Hz
立陶宛	230V(formerly220V)	50 Hz
列支敦斯登	230V	50 Hz
卢森堡	230V(formerly220V)	50 Hz
澳门	220V	50 Hz
马其顿	220V	50 Hz
马达加斯加	127V / 220 V	50 Hz
马德拉	220V	50 Hz
马拉威	230V	50 Hz
马来西亚	240V	50 Hz
马尔地夫	230V	50 Hz
马利	220V	50 Hz
马尔他	230V	50 Hz
马提尼克	220V	50 Hz
茅利塔尼亚	220V	50 Hz
模里西斯	230V	50 Hz
墨西哥	127V	60 Hz
密克罗尼西亚	120V	60 Hz

地区	电压	功率
摩尔多瓦	220-230V	50 Hz
摩纳哥	127V / 220 V	50 Hz
蒙古	230 V	50 Hz
蒙特内哥罗共和国	220V	50 Hz
蒙特塞拉特	230V	60 Hz
摩洛哥	127V / 220 V	50 Hz
莫三比克	220V	50 Hz
缅甸	230V	50 Hz
纳米比亚	220V	50 Hz
诺鲁	240V	50 Hz
沙乌地阿拉伯	127V / 220V	60 Hz
塞内加尔	230V	50 Hz
塞尔维亚	220V	50 Hz
塞席尔群岛	240V	50 Hz
狮子山	230V	50 Hz
新加坡	230V	50 Hz
斯洛伐克	230V	50 Hz
斯洛维尼亚共和国	230V	50 Hz
索马利亚	220V	50 Hz
南非	220V	50 Hz
南韩	220V	60 Hz
西班牙	230V(formerly220V)	50 Hz
斯里兰卡	230V	50 Hz
苏丹	230V	50 Hz
苏利南	127V	60 Hz
史瓦济兰	230V	50 Hz
瑞典	230V	50 Hz

地区	电压	功率
瑞士	230V	50 Hz
叙利亚	220V	50 Hz
大溪地岛	110V / 220V	60 Hz / 50 Hz
台湾	110V	60 Hz
塔吉克	220V	50 Hz
坦尚尼亚	230V	50 Hz
泰国	220V	50 Hz
多哥	220V	50 Hz
多加	240V	50 Hz
千里达托贝哥	115V	60 Hz
突尼西亚	230V	50 Hz
土耳其	230V	50 Hz
土库曼	220V	50 Hz
乌干达	240V	50 Hz
乌克兰	220V	50 Hz
阿拉伯联合大公国	220V	50 Hz
英国	230V(formerly240V)	50 Hz
美国	120V	60 Hz
乌拉圭	230V(formerly220V)	50 Hz
乌兹别克斯坦	220V	50 Hz
万那杜	230V	50 Hz
委内瑞拉	120V	60 Hz
越南	220V	50 Hz
维尔京群岛	110V	60 Hz
西萨摩亚	230V	50 Hz
叶门	230V	50 Hz
尚比亚	230V	50 Hz
辛巴威	220V	50 Hz

各国转接头

Country	Plug Type	Plug Picture	Connector Type	Connector Picture
USA	LP-30B		LS15	
Canada				
Japan	LP-54		LS15	
Taiwan	LP-53		LS15	
China	PC-323		LS15	
Korea	LP-E04		LS15	
England	LP-60L		LS15	
Singapore				
South Africa	PE-364		LS15	
	PE-361		LS15	

Australia	**LP-23A**		**LS15**	
Germany	**LP-33**		**LS15**	
France				
Sweden				
Finland				
Norway				
Belgium				
Netherlands				
Austria				
Switzerland	**LP-37**		**LS15**	
Denmark	**LP-38**		**LS15**	
Italy	**PE-336**		**LS15**	